ARTHAM
RESOURCE MATERIAL

COMPETENCY-BASED QUESTION BANK

WITH ANSWER KEY
& STRUCTURED EXPLANATION

CLASS 12
BIOLOGY

FEATURES

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3.REPRODUCTIVE HEALTH

1. What are the various ways through which the reproductive health can be improved?
   I. Education
   II. Awareness
   III. Encouraging myths
   IV. Ban on amniocentesis
   a) I and II b) II and III c) III and IV d) I, II and IV
2. Which IUD increases the phagocytosis of the sperms within the uterus?
   a) Non-medicated IUD b) Copper releasing IUD
   c) Both (a) and (b) d) Hormone releasing IUD
3. The permissible use of the technique amniocentesis is for
   a) Detecting any genetic abnormality
   b) Detecting sex of the unborn foetus
   c) Artificial insemination
   d) Transfer for embryo into the uterus of a surrogate mother
4. Find out the natural contraception methods
   I. Implantation
   II. Lactational (amenorrhoea)
   III. Condoms
   IV. Vasectomy
   V. Tubectomy
   VI. Sterilisation
   a) I and II b) III and IV c) V and VI d) Only II
5. "Theory of four humors" was proposed by:
   a) Theophrastus b) Aristotle c) Alexander d) Pluto
6. Female condoms are called
   a) Femidom b) Female condom
   c) Contraceptive condom d) None of these
7. NSEP stands for
   a) National Smallpox Eradication Programme b) National Sickness Eradication Programme
   c) National Syphilis Eradication Programme d) None of the above
8. Study of population trends is:
   a) Kalography b) Psychobiology c) Biography d) Demograghy
9. Find out sexually transmitted diseases among the given below
   I. AIDS II. Syphilis
   III. Gonorrhea IV. Malaria
   V. Hepatitis-B VI. TB
   a) I, II, V and VI b) VI, I, II and III c) I, II, III and V d) I, II, III, IV, V and VI
10. What is the difference in oral contraceptives and hormonal implants?
    a) They differ in their sites of implantation b) They differ in their duration of action
    c) Both (a) and (b) d) None of the above
11. ICSI stands for
    a) Inter Cytoplasmic Semen Injection b) Intra Cytoplasmic Semen Injection
    c) Inter Cytoplasmic Semen Injection d) In Cytoplasmic Semen Injection
12. CDRI is situated in
    a) Delhi b) Kanpur c) Lucknow d) Tamil Nadu
13. Find out the right aspects of lactationalamenorrhoea
    I. Ovulation do not occur during the lactational period
    II. Chances of the failure of contraception are almost nil uptosix months following parturition
    III. Side effects are almost nil

IV. It is a natural method of contraception
V. It increases phagocytosis of sperms

a) II, III, IV and V b) All except V c) II, III, IV and V d) All of these

14. 'Population explosion' being witnessed is mainly due to:
    a) Better job facilities b) Increase in agricultural production
    c) Better health care d) None of these
15. Maximum growth rate occurs in:
    a) Lag phase b) Exponential phase c) Stationary phase d) Senescent phase
16. What is the purpose of surgical method of contraception?
    a) Prevent gamete motility b) Prevent gamete formation
    c) Gametogenesis promotion d) Facilitate implantation
17. Choose the WHO's statement about reproductive health.
    I. Healthy reproductive organs with normal functions.
    II. Total well being of physical, emotional, behavioural and social aspects.
    III. Free of all STD (Sexually Transmitted Disease)
    a) I and II b) I and III c) II and III d) Only II
18. Lactationalamenorrhora is
    a) Absence of menses in adult age
    b) Absence of menses in elderly age
    c) Absence of menses during lactation
    d) No menses during pregnancy
19. Most thickly populated country is:
    a) Bangladesh b) Australia c) U.S.A d) India
20. What is the use of condoms?
    a) Decreases sperm motility b) Increases sperm motility
    c) Barrier to prevent fusion of sperm and ova d) Increases phagocytosis
21. Amniocentesis is a technique to:
    a) Estimate essential amino acids in the body b) Detect chromosomal anomalies in the foetus
    c) Reverse sex of the foetus d) Correct genetic disorders of the foetus
22. Test tube baby is a technique where:
    a) Zygote is taken from the oviduct cultured and then implanted
    b) Ovum is taken out, then fertilized and implanted
    c) Sperm and ovum are fused and zygote grown in a test tube
    d) None of the above
23. In a population, the condition at which the rate of addition of new members is more than the rate of individuals lost indicates:
    a) Zero population growth b) Exponential growth
    c) Declining growth d) None of these
24. Which oral contraceptive is developed by CDRI?
    a) Saheli b) Mala-D c) Both (a) and (b) d) None of these
25. Identify the correct statements
    I. Infertility is the inability to produce viable offsprings due to the defects in the female partner
    II. Complete lactation helps in contraception
    III. Spreading awareness can help to create a reproductively healthy society
    a) II only b) I, II and III c) II and III d) I and III
26. What is true about 'Saheli'?
    I. Developed at CDRI, Lucknow
    II. Contains a steroidal preparation
    III. 'Once-a-week' pill
    IV. Many side effects
    V. High contraceptive value
    VI. Very few side effects

VII. Low contraceptive value

a) I, II, III, V and VI b) I, III, V and VI c) I, II, III, IV and V d) I, III, IV and V

27. Which of the following match is the correct?

I. STDs – Sexually Transmitted Diseases
II. VD – Venerable Disease
III. RTI – Reproductive Tract Infection

a) I and II b) II and IV c) I and III d) I, II and III

28. NFCP stands for

a) National Filaria Control Programme b) National Smallpox Control Programme
c) National Fever Control Programme d) None of the above

29. The technique called Gamete Intra Fallopian Transfer (GIFT) is recommanded for the females

a) Who can't produce an ovum
b) Who can't retain the foetus inside the uterus
c) Whose cervical canal is too narrow to allow the passage for the sperms
d) Who can't provide suitable environment for fertilisation

30. IVF involves the fertilisation …A… the body followed by …B…

a) A-outside; B-test tube b) A-outside; B-embryo transfer
c) A-inside; B-embryo transfer d) A-inside; B-embryo transfer

31. Greatest biological problems faced by human beings is:

a) Population explosion b) Depletion of ozone layer
c) Depletion of natural resources d) Land erosion

32. Which one of the following is the most widely accepted method of contraception in India, as at present?

a) Cervical caps b) Tubectomy
c) Diaphragms d) IUDs (Intra uterine devices)

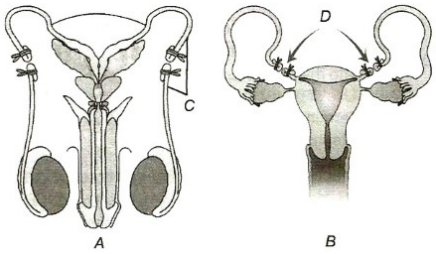
33. Common STD in India is

a) Syphilis b) Gonorrhea c) AIDS d) Herpes

34. The prenatal technique to determine the genetic disorders in a foetus is called

a) Laparoscopy b) Amniocentesis c) Abstinence d) Coitus interruptus

35. Choose the correct option for *A*, *B*, *C* and *D*



a) A-Tubectomy, B-Vasectomy, C-Fallopian tube cut and tied, D-Vas-deferens cut and tied
b) A-Tubectomy, B-Vasectomy, C-Cervix, D-Vas-deferens cut and tied
c) A-Vasectomy, B-Tubectomy, C-Vas deferens cut and tied, D-Fallopian tube cut and tied
d) A-Tubectomy, B-Vasectomy, C-Vas deferens cut and tied, D-Fallopian tube cut and tied

36. What is correct about a test tube baby?

a) Fertilization in female's genital tract and growth in test tube
b) Rearing of premature born baby in an incubator
c) Fertilization outside and gestation inside mother's womb
d) Both fertilization and development are done outside the female genital tract

37. NLCP stands for

a) National Lyme Control Programme b) National Leprosy Control Programme
c) National Lesion Control Programme d) None of the above

38. The main factor of population growth in India is:

a) More of birth rate b) less of death rate c) Lack of education d) All the above

39. Which of the following is a mechanical barrier used in birth control:

a) Loop b) Copper-T c) Diaphragm d) Dalcon shield

40. Copper-T prevents:
a) Ovulation b) Fertilization of egg c) Implantation d) Both (B) and (C)

41. Find out the correct statement
I. Pills prevents ovulation of contraception technique
II. Copper-T prevents implantation
III. Vasectomy produces semen containing no sperm
a) I and II b) II and III c) I and III d) I, II and III

42. Ist, 2nd, 3rd dose of DPT is given by
I. 6 weeks after birth
II. 10 weeks after birth
III. 14 weeks after birth
IV. 24 weeks after birth
V. 29 weeks after birth
a) I, III and IV b) III, IV and V c) I, II and III d) V, I and II

43. Which hormone of the female body is suppressed by the oral contraceptive pills?
a) FSH b) Inhibit c) Progesterone d) Testosterone

44. Growth curve is normally:
a) J-shaped b) V-shaped c) S-shaped d) C-shaped

45. Which one of the following statements is incorrect about menstruation?
a) At menopause in the female, there is especially abrupt increase in gonadotropic hormones
b) The beginning of the cycle of menstruation is called menarche
c) During normal menstruction about 40 ml blood is lost
d) The menstrual fluid can easily clot

46. Which of the following birth control measures can be considered as the safest?
a) The rhythm method b) The use of physical barriers
c) Termination of unwanted pregnancy d) Sterilization techniques

47. Sterilization method used in human beings is/are called
a) Vasectomy b) Tubectomy c) Both (a) and (b) d) None of the above

48. The first case of IVF-ET techniques success, was reported by:
a) Bayliss and Starling Taylor b) Robert Steptoe and Gilbert Brown
c) Louis Joy Brown and Banting best d) Patrick Steptoe and Robert Edwards

49. Spermicidal cream used on the coating of condoms, diaphragms, cervical cap and vaults are
a) For lubrication b) For shining
c) For increasing effectiveness d) None of the above

50. NMEP stands for
a) National Measal Eradication Programme b) National Mumps Eradication Programme
c) National Malaria Eradication Programme d) None of the above

51. Example of the non-medicated IUD is
a) Cu-T b) Cu-7 c) Multiload-375 d) Lippes loop

52. A national level approach to build up a reproductively healthy society was taken up in our country in:
a) 1950s b) 1960s c) 1980s d) 1990s

53. Condition in which motility remains very less is
a) Azospermia b) Polyspermia c) Oligospermia d) Asthenospermia

54. Diaphragms, cervical caps and vaults are
a) Are non-usable b) For female use only
c) For male use only d) None of these

55. Detection technique for AIDS is
a) PCR b) ELISA c) Both (b) and (c) d) Clinical culture

56. In delaying pregnancy or spacing among children, the ideal contraceptive is
a) IUD b) Natural method c) Oral contraceptive d) Pills

57. Reproductive health is the well-being of

a) Physical aspects
b) Emotional and behavioural aspects
c) Social aspects
d) All of the above

58. In female sterilization ...A... is cut and tied. This process is called ....B... .
Fill correct option for A and B
a) A-cervix; B-vasectomy
b) A-Fallopian tube; B-tubectomy
c) A-cervix; B-tubectomy
d) A-Fallopian tube; B-vasectomy

59. Which of the following is most convincing reason for increase population growth in a country?
a) High birth rate
b) Low mortality rate
c) Low population of old people
d) High population of young children

60. Difference between ZIFT and IUT lies in the
a) Methodology
b) Nature of the sperms
c) Nature of the cells
d) Number of the cells

61. Progesterone in the contraceptive pill:
a) Prevents ovulation
b) Inhibits estrogen
c) Checks attachment of zygote to endometrium
d) All the above

62. Ideal contraceptive should be
I. User-friendly
II. Easily available
III. Effective
IV. Interferring coitus
V. Expensive and effective
a) I, IV and III
b) I, IV and V
c) I, II and III
d) I, IV and V

63. IUD stands for
a) Inter Uterine Devices
b) Intra Uterine Device
c) Inter Uterine Development
d) Intra Uterine Development

64. *In vivo* fertilisation involves thefertilisation that takes place
a) In the laboratory
b) In the uterus
c) Outside the uterus
d) Either (a) or (b)

65. A woman who substitutes or takes the place of the real mother to nurse the embryo is called
a) Interrogate mother
b) Surrogate mother
c) Both (a) and (b)
d) None of the above

66. Which of the following is wrongly matched?
a) IUI-semen collected from husband or donor is artificially introduced either into the vagina or into the uterus
b) GIFT-transfer of embryos with more than 8 blastomeres into the Fallopian tube
c) ICSI-sperm directly injected into the ovum
d) ZIFT-transfer of embryos with upto 8 blastomeres into the Fallopian tube

67. Choose the correct causes for the population growth
I. Decline in death rate
II. Rapid increase in MMR and IMR
III. Rapid decline in MMR and IMR
IV. Increase in the number of people, in the reproductive age group
V. Rapid increase in the death rate
a) I, II, III, IV and V
b) I, II and IV
c) I, III and IV
d) III, IV and V

68. The loss of forests, urbanization and increasing pollution due to:
a) Population explosion
b) Global warming
c) Greenhouse effect
d) Ozone depletion

69. Find out the true statements for IUD
I. They are self-inserted
II. They are inserted by expert nurses
III. They may be non-medicated IUDs for example, copper releasing IUDs or hormone releasing IUDs
IV. They are inter uterine devices
V. Widely accepted in India
a) I, III, IV and V
b) I, II, III and V
c) I, II, IV and V
d) I, III, IV and V

70. Later complications of STDs are
I. Pelvic inflammation disease
II. Abortion
III. Still birth
IV. Ectopic pregnancies
V. Infertility
VI. Cancer
Choose the correct combinations
a) I, II, III, IV and V b) I, II, III, V and VI c) I, III, IV, V and VI d) I, II, III, IV, V and VI

71. Which of the following parameter of the population can be negative?
a) Birth rate b) Replacement level c) Growth rate d) All of these

72. Condoms are made up of thin rubber/latex sheath which is used to cover
a) Penis in male b) Cervix in female c) Both (a) and (b) d) None of the above

73. Write one or the following correctly matched Sexually Transmitted Disease (STD) with its pathogen?
a) AIDS—*Bacillus anthracis* b) Syphilis—*Treponema pallidum*
c) Uretheritis—*Entamoeba gingivalls* d) Gonorrhoea—*Leishmania donovani*

74. Choose the right one among the statements given below:
a) IUDs are generally inserted by the user herself
b) IUDs increase phagocytosis reaction in the uterus
c) IUDs suppress gametogenesis
d) IUDs once inserted need not be replaced

75. MTP is of much risk in the phase of the pregnancy
a) 2nd trimester b) 1st trimester c) 1st week d) 2nd week

76. Which of the following cannot be detected in developing foetus by amniocentesis?
a) Sex of the foetus b) Down syndrome c) Jaundice d) Klinefelter syndrome

77. If the rate of addition of new members increases with respect to the individual host of the same population, then the graph obtained has:
a) Declined growth b) Exponential growth
c) Zero population growth d) None of these

78. Replacement rate is estimated to be:
a) 1.8 b) 2.0 c) 2.1 d) 3.5

79. NCCP stands for
a) National Cholera Control Programme b) National Chickenpox Control Programme
c) National Chickenguhya Control Programme d) None of the above

80. Hormone releasing IUDS among the following are
a) Copper-T b) LNG-20 c) Saheli d) Diaphragm

81. Given below the symptoms of a disease 'x' Infection in urinogenital tract, yellow discharge, fever, headache, feeling of illness are the common symptoms. Identify (x)
a) AIDS b) Syphilis c) Gonorrhea d) Hepatitis-B

82. Condoms are one of the most popular contraceptives because of the following reasons:
a) These are effective harriers for insemination b) They do not interfere with coital act
c) These help in reducing the risk of STDs d) All of the above

83. Which of the following is a technique of direct introduction of gametes into the oviduct:
a) MTS b) ET c) IVF d) POST

84. Correct surgical method of contraception is
a) Ovariectomy b) Hysterectomy c) Vasectomy d) Castration

85. Infant mortality rate is minimum in:
a) Sweden b) Japan c) England d) USA

86. Consider the statements given below regarding contraception and answer as directed there after:
(1) Medical termination of pregency (MTP) during first trimester is generally safe
(2) Generally chances of conception are nil until mother breast-feeds the infant upto two years

(3) Intrauterine devices like copper-T are effective contraceptives
(4) Contraception pills may be taken upto one week after coitus to prevent conception
Which two of the above statements are correct?
a) 1,3 b) 1,2 c) 2,3 d) 3,4

87. Vitamin-E is also called
a) Antisterility vitamin
b) Antihelmenthic hormone
c) Inorganic antisterility vitamin
d) None of the above

88. Choose the correct statement regarding the ZIFT procedure:
a) Ova collected from a female donor are transferred to the fallopian tube to facilitate zygote formation
b) Zygote is collected from a female donor and transferred to the fallopian tube
c) Zygote is collected from a female donor and transferred to the uterus
d) Ova collected from a female donor and transferred to the uterus

89. First dose of BCG vaccine is given at the time of
a) Birth
b) 6 months after birth
c) 8 months after birth
d) 10 months after birth

90. RCH stands for
a) Reproduction and Child Healthcare
b) Reproductive Cum Hygiene
c) Routine Check-up of Health
d) Reproduction of Child Health and Care

91. Following statements are given regarding MTP. Choose the correct options given below:
i. MTPs are generally advised during first trimester
ii. MTPs are used as a contraception method
iii. MTPs are always surgical
iv. MTPs require the assistance of qualified medical personnel
a) ii and iii b) ii and i c) i and iv d) i and ii

92. Oral contraceptives have hormonal preparation of
a) Progesterone b) Oestrogen c) Both (a) and (b) d) None of the above

93. ...A... makes the uterus unsuitable for implantation and the cervix hostile to ...B... . Find out the correct option for A and B to complete the given NCERT statement
a) A-Hormonal releasing IUD; B-spermatogonia
b) A-Hormonal releasing IUD; B-sperms
c) A-Sperms; B-Hormonal releasing IUD
d) A-Sperms; B-ova

94. Reproductive health involves which of the following?
a) Creating awareness
b) Providing facilities and support
c) Finding new techniques
d) All of these

95. Match the given fertilisation methods (A-H) to their respective characteristic (I-VI)
I. Collected gametes are made to form the zygote in the laboratory
II. Zygote or early embryo with upto 8 blastomeresis transferred into the oviduct
III. Zygote with more than 8 blastomeres, is transferred into the uterus
IV. Fusion of the gametes in the female reproductive tract
V. Transfer of the ovum from a donor to the oviduct of the recipient
VI. Sperm is injected into the ovum, *in vitro*
A. GIFT B. ZIFT
C. AI D. ICSF
E. IUT F. IVF
G. IUI H. *In vivo* fertilisation
Codes
a) I-F; II-B; III-E; IV-H; V-A; VI-D
b) I-G; II-B; III-F; IV-H; V-A; VI-D
c) I-G; II-B; III-F; IV-H; V-C; VI-F
d) I-F; II-B; III-A; IV-H; V-A; VI-G

96. STDs caused by bacteria is/are
a) Syphilis b) Gonorrhea c) Both (a) and (b) d) None of the above

97. Which of the following method is used when male partner is unable to inseminate into the female partner due to the low sperm count?
a) Al b) IUI c) Both (a) and (b) d) None of these

98. ZIFT stands for
a) Zygote Intra Fallopian Transfer
b) Zygote Inter Fallopian Transfer
c) Zygote In Fallopian Transfer
d) All of the above

99. What is the purpose of contraceptive pills?
I. They inhibit ovulation and implantation
II. They alter the quality of cervical mucous to prevent or retard the entry of sperms
III. They prevent the ejaculated semen from entering the female vagina
IV. They inhibit spermatogenesis
a) I, II and IV
b) I, II and III
c) I and II
d) I, II, III and IV

100. Scientific study of human population is called
a) Dramography
b) Dandrography
c) Damography
d) None of these

101. Population explosion has occurred in the last:
a) 500 years
b) 300 years
c) 100 years
d) 50 years

102. When the 3rd booster and the 4th booster dose of tetanus is given to a child?
a) 10 years and 15-16 years
b) 2 years and 5 years
c) 4 years and 10 years
d) 6 years and 15 years

103. Administration of progesterone, progesterone oestrogen combination and IUDs are effective in
a) 72 hr
b) 48 hr
c) 24 hr
d) 96 hr

104. Cu^{2+} ions released from copper releasing Intra Uterine Devices (IUDs)
a) Prevent ovulation
b) Makes uterus unsuitable for implantation
c) Increases phagocytosis of the sperms
d) Suppresses sperm motility

105. Which of the following disease is curable?
I. Hepatitis-B
II. HIV
III. Genital herpes
a) I and II
b) II and III
c) I and III
d) All of these

106. Oral contraceptives inhibits …A… and implantation as the well as quality of cervical …B…. to prevent the entry of sperms.
Choose the correct option for A and B to complete the given statement of NCERT textbook
a) A-ovulation; B-mucous
b) A-oogenesis; B-structure
c) A-oogenesis, B-nucleus
d) A-spermatogenesis, B-mucous

107. Coitus interruption is the withdrawl method of natural contraception.
This sentence is
a) True
b) False
c) Sometimes (a) and sometimes (b)
d) Neither (a) nor (b)

108. NACO stands for
a) National Acid Control Organisation
b) National Asisted Control Organisation
c) National AIDS Control Organisation
d) National AIM for Control Organisation

109. In the production of test tube babies :
a) Fertilization is external and foetus formation is internal
b) Fertilization is internal and foetus formation is external
c) Fertilization and foetus formation is external
d) Fertilization and foetus formation is internal

110. Which of the following is the most sparsely populated state of India?
a) Manipur
b) Arunachal Pradesh
c) Rajasthan
d) Meghalaya

111. Indian population forms what percentage of world population?
a) About 16%
b) About 7%
c) About 20%
d) About 21%

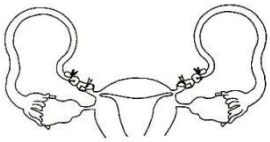
112. Every ……. person is Indian in world
a) Fifth b) Sixth c) Ninth d) First
113. On which day, world population touched 5th billion?
a) May 11, 1985 b) July 11, 1986 c) May 11, 1987 d) July 11, 1987
114. Diaphragms are contraceptive devices used by the females. Choose the correct option from the statements given below:
i. They are introduced into the uterus
ii. They are placed to cover the cervical region
iii. They act as physical barriers for sperm entry
iv. They act as spermicidal agents
a) i and ii b) i and iii c) ii and iii d) iii and iv
115. From the sexually transmitted diseases mentioned below identity the one which does not specifically affect the sex organs:
a) Syphilis b) AIDS c) Gonorrhea d) Genital warts
116. Family planning program was initiated in
a) 1941 b) 1951 c) 1961 d) 1981
117. Withdrawl method of natural contraception
a) Withdrawl of penis before ejaculation b) Withdrawl of penis after ejaculation
c) Avoid sex in ovulation d) Prefer sex in ovulation
118. MTP is being …A… to abort even normal fetuses. Specially when sex of the foetus is …B… .
Choose the correct option for A and B to complete the given NCERT statement
a) A-used; B-male b) A-misused; B-female
c) A-used; B-abnormal d) A-female; B-misused
119. Example of copper releasing IUD is
a) Cu-T b) Cu-7 c) Multiload-375 d) All of these
120. Which is related to males?
a) Oral pill b) Tubectomy c) Vasectomy d) None of these
121. Medical termination of Pregnancy (MTP) is considered safe up to how many weeks of pregnancy?
a) Eight weeks b) Twelve weeks c) Eighteen weeks d) Six weeks
122. Identify the false statement regarding the techniques of contraception
I. There are many side effects of tubectomy and vasectomy
II. Purpose of tubectomy is to prevent egg formation
III.The most important component of the oral contraceptive pill is progesterone
IV.Contraceptive oral pills help in birth control by preventing ovulation
a) I, II and III b) I and II c) III, IV and II d) IV and II
123. What measures should be taken to avoid the transmission of STD?
I. Avoid sex with unknown
II. Avoid sex with multiple partner
III. Do protected sex
IV. Avoid sharing needle
a) I, II and IV b) I, II and III c) I, II and IV d) All of these
124. When MTP was legalized in India?
a) 1951 b) 1971 c) 1981 d) 1924
125. Injections and implants (the progesterone or progesterone oestrogen combination) are used by the females under the
a) Skin of the inner arm above elbow b) Vagina
c) Stomach's upper skin d) Cervix
126. Higher population in cities is mainly due to:
a) More opportunities for education b) Availability of clean drinking water
c) Better sanitation d) Higher income resources.
127. Population explosion is

a) Increased frequency of diseases in population
b) Rapid increase in population number
c) Rapid decrease in population number
d) None of the above

128. The most important component of contraceptive pills is:
a) Progesterone b) Growth hormone
c) Thyroxine d) Luteinising hormone

129. Find out correct choice for IUD
I. Increases phagocytes of sperms
II. Releases Cu^{2+} ions that suppresses the sperms motility and fertilizing capacity of sperms
III. Make the uterus unsuitable for implantations
a) I, II and III b) I and II c) Only I d) None of the above

130. Which is the figure given below showing in particular?



a) Uterine cancer b) Tubectomy c) Vasectomy d) Ovarian cancer

131. In India, first census was conducted in:
a) 1851 b) 1872 c) 1921 d) 1951

132. Infertile couples can produce a baby with the help of
a) ART b) AIT c) GIFT d) All of the above

133. What is the function of copper T?
a) Prevents mutation b) Prevents fertilization
c) Prevents zygote formation d) (B) and (C)

134. What was the world human population in 2000?
a) 6 billion b) 5 billion c) 3 billion d) 2 billion

135. When the ovulation is expected in a normal menstrual cycle?
a) 10-17 day of menstrual phase b) 12-14 day of menstrual phase
c) 10-20 day of menstrual phase d) 6-7 day of menstrual phase

136. The best way to decrease population of a country is:
a) To educate people b) To have better houses
c) To kill people on large scale d) To practise and implement family planning

137. Oral polio vaccine and hepatitis first dose is given to a child at
a) 6 weeks after birth b) 10 weeks after birth c) 20 weeks after birth d) 24 weeks after birth

138. Age for marriage in India is

	Male	Female
a)	21 years	18 years
b)	25 years	17 years
c)	20 years	20 years
d)	28 years	22 years

139. Which of the following techniques are used in IVF?
I. ZIFT II. IUT III. ICSI IV. AI V. IUI
a) I and III b) I and II c) II and III d) All of these

140. High increase in human population is due to:
a) Increase in average life span b) Better medical facilities
c) Decrease in death rate d) All of these

141. According to 2001 census, Indian population was:
a) 684 millions b) 844 millions c) 1027 millions d) 1128 millions

142. Chancroid is a sexually transmitted disease caused by:
a) *Treponema* b) *Haemophilus* c) *Nlisseiria* d) *Chlamydia*

143. STDs are also called
a) VD b) RTI c) Both (a) and (b) d) None of these

144. Which of the following given statements are not correct?
I. MTP was legalized in 1971
II.Inability to conceive or produce children even after two years of unprotected sexual cohabitation is called infertility
III. Surgical method of contraception prevents gamete formation
IV.MTPs are relatively safe up to 20 weeks of pregnancy
a) I and III b) III and IV c) III and II d) I and II

145. Population explosion occurs due to
a) Decline maternal mortality rate
b) Decline rate of infant mortality
c) Better medical service
d) All of the above

146. Zero growth means:
a) Natality is zero b) Natality balances mortality
c) Natality is less than mortality d) Natality is more than mortality

147. Population of India was approximately …… million at the time of independence
a) 350 million b) 400 million c) 500 million d) 600 million

148. MTP helps in
a) Unwanted pregnancy b) Unsafe sex
c) Failure of contraceptive d) All of the above

149. Which of the following causes abortion in ladies?
a) Viruses b) Bacteria c) Mycoplasma d) None of these

150. Periodic abstinence is avoiding sex during
a) Luteal phase b) Ovulatory phase c) Menstrual phase d) None of these

151. A method of birth control is:
a) GIFT b) ZIFT c) IVF-ET d) IUDs

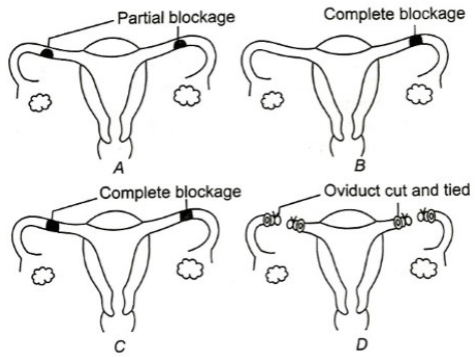
152. July 11 is observed as:
a) World population day b) No tobacco day
c) World environment day d) World health day

153. Early symptoms of most STDs is
I. Itching
II. Fluid discharge
III. Slight pain
IV. Swelling
Choose the correct option
a) I, II and IV b) I, III and II c) I, IV and III d) I, II, III and IV

154. During which phase of the pregnancy MTP is safe?
a) 1st trimester b) 2nd trimester c) 3rd trimester d) 4th trimester

155. Human population growth is:
a) Lag b) Stationary c) Exponential d) None of these

156. In which condition of the uterus, fertilisation is impossible?



a) *A* and *B* b) *B* and *C* c) *C* and *D* d) *A* and *D*

157. According to the …A… census report, the population growth rate was still around …B…, a rate at which our population could double in …a… years.
Choose the correct option for A, B and C to complete the given NCERT statement
a) A-2003; B-1.8%; C-20 years
b) A-2001; B-1.5%; C-33 years
c) A-2004; B-2%; C-34 years
d) A-2010; B-3%; C-22 years

158. In male sterilization …A… is cut and tied. This process is called ….B… .
Fill correct option for A and B
a) A-vas deferens; B-tubectomy
b) A-vas deferens; B-vasectomy
c) A-vas efferentia; B-tubectomy
d) A-vas efferentia; B-vasectomy

159. Day of periodic abstinence is
a) 10-11 days of menstrual phase
b) 10-17 days of menstrual phase
c) 17-20 days of menstrual phase
d) 20-28 days of menstrual phase

160. One of the legal methods of birth control is:
a) By abstaining from coitus from day 10 to 17 of the menstrual cycle
b) By having coitus at the time of day break
c) By a premature ejaculation during coitus
d) Absorption by taking an approximate medicine

161. Natural methods of contraception are the natural ways to
a) Increase spermicidal activity
b) Prevent fertilisation
c) Decrease mortality
d) Increase mortality

162. Progestasert and LNG-20 are the examples of
a) Non-mediated IUDs
b) Copper releasing IUDs
c) Hormonal releasing IUDs
d) All of the above

163. Identify the correct statements
i. Birth control pills are likely to cause cardiovascular problem
ii. A woman who substitutes or takes the place of the real mother to nurse to embryo is called surrogate mother
iii. Numerous children have been produced by *in vitro* fertilisation but with some abnormalities
iv. Woman plays a key role in the continuity of the family and human species
v. Foetal sex determination test should not be banned
a) I and II
b) II and IV
c) III and V
d) I, II and IV

164. Pills have to be taken daily for period of …A… days. Starting preferably within first five days of menstrual cycle?
After a gap of …B… days, it has to be repeated in the same pattern
Complete the given NCERT statement by filling up the blanks A and B
a) A-27; B-1
b) A-21; B-7
c) A-22; B-5
d) A-24; B-4

165. Amniocentesis is a process to
a) Determine any disease of heart
b) Determine any hereditary disease of the embryo
c) Know about the diseases of the brain
d) Grow the cells on the culture medium

166. Secondary infertility is
a) Patient who can't do coitus (sex)
b) Sterility
c) Impotency
d) It indicate previous pregnancy but failure to conceive subsequently

167. What is false for GIFT?
a) It is Gamete Intra Fallopian Transfer

b) Ovum is transferred into the oviduct
c) Zygote is transferred into Fallopian tube
d) Used when the receptive is sterile (don't produce ova)

168. Misuse of amniocentesis results in
a) Male foeticide b) Female foeticide c) Both (a) and (b) d) None of these

169. Worlds AIDS day and world earth day are celebrated on
AIDS Day World Earth Day
a) 22 April 1 December b) 2 December 24 April
c) 1 December 22 April d) 2 December 24 April

170. Copper releasing IUDs are used for suppressing the
a) Activity of ova b) Activity of the uterus
c) Motility of the sperms d) Motility of ova

171. 'Hum Do Hamare Do' slogan for encourages
a) Family planning b) Immunisation c) Electric growth d) Patriotism

172. The birth control device not used by women is:
a) Diaphragm b) Oral pill c) Condom d) Copper T

173. Incidents of STD are very high among persons, in the age group of
a) 15 to 35 years b) 15 to 30 years c) 15 to 24 years d) 15 to 45 years

174. Infant mortality in India is:
a) 14/1000 b) 45/1000 c) 62/1000 d) 72/1000

175. Full form of CDRI is
a) Central Development Research Institute b) Child Development Research Institute
c) Central Drug Research Institute d) Common Development Research Institute

176. The formula for exponential population growth is:
a) $dt/d\mathrm{N} = r\mathrm{N}$ b) $d\mathrm{N}/r\mathrm{N} = dt$ c) $r\mathrm{N}/d\mathrm{N} = dt$ d) $d\mathrm{N}/dt = r\mathrm{N}$

177. MTP stands for
a) Medical Termination of Pregnancy b) Mental Trauma Phase
c) Menstrual Pain d) None of the above

178. IVF in which the early zygote with up to …A… blastomere is transferred to the Fallopian tube is called …B… .
a) A-8; B-ZIFT b) A-16; B-ZIFT c) A-32; B-ZIFT d) A-64; B-ZIF

179. False statement about ZIFT is
a) Zygote in the Fallopian transfer b) Type of IVF
c) More than 8 blastomeres are used d) Zygote or embryo are used

180. In contraception, sperm motility decreases due to
a) Cu ion b) Fe ion c) Zn ion d) Se ion

181. July 11 is :
a) World Environment day b) World Population day
c) World AIDS day d) World Education day

182. What was the world human population in 2011?
a) 6 billion b) 7 billion c) 3 billion d) 5 billion

183. "Saheli" contraceptive oral pill was developed at:
a) Department of Biotechnology, New Delhi b) CDRI, Lucknow
c) NEERI, Nagpur d) Department of Molecular Biology, Hydrabad

184. STDs caused by viruses are
I. AIDS
II. Hepatitis-B
III. Genital herpes
a) I, II and III b) I and III c) II and III d) I and II

185. Artificial insemination mean:
a) Transfer of sperms of husband to a test tube containing ova

b) Artificial introduction of sperms of a healthy donor into the vagina
c) Introduction of sperms of a healthy donor directly into the ovary
d) Transfer of sperms of a healthy donor to a test tube containing ova

186. Emergency contraceptives are effective if used within:
a) 72 hrs of coitus
b) 72 hrs of ovulation
c) 72 hrs of menstruation
d) 72 hrs of implantation

187. The number of organisms in population are added by:
a) Immigration
b) Birth
c) Emigration
d) Both (A) and (B)

188. Certain characteristic demographic features of developing countries are:
a) High fertility, high density, rapidly rising mortality rate and a very young age distribution
b) High infant mortality rate, low fertility, uneven population growth and a very young age distribution
c) High mortality, high density, uneven population growth and a very old age distribution
d) High fertility, low rapidly falling mortality rate, rapid population growth and a very young age distribution

189. India's population in June 2011 was
a) 121 carore
b) 115 carore
c) 110 carore
d) None of these

190. The Test-tube Baby Programme employs which one of the following techniques?
a) Intra uterine insemination (IUI)
b) Gamete intra fallopian transfer (GIFT)
c) Zygote intra fallopian transfer (ZIFT)
d) Intra cytoplasmic sperm injection (ICSI)

191. Primary infertile patient is the person who;
a) Never conceived
b) Could conceive
c) Can't produce ova
d) None of the above

192. IVF in which zygote with …A… then 8 blastomere is transferred into female body it is called …B… .
a) A-more; B-IUT
b) A-less; B-IUT
c) A-less; B-ZIFT
d) A-less; B-ICSI

193. Indicators of the improved reproductive health of the society are
a) Better detection and cure of STD
b) Improved medical facilities
c) Decreased maternal and infant morality rates
d) All of the above

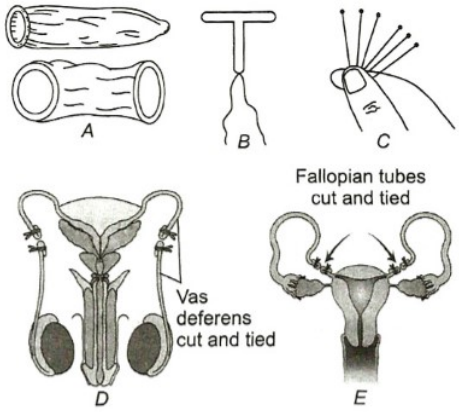
194. MMR (Measles, Mumps, Rubella) vaccine is given at
a) 15-25 months
b) 15-18 months
c) 2 years
d) 5 years

195. Amniocentesis is the detection of
a) Chromosomal pattern by taking amniotic fluid
b) Chorionic fluid from developing embryo
c) Chromosomal pattern after child birth
d) Chromosomal pattern before fertilisation

196. Ovulation do not occur in lactational period because of
a) Inhibin
b) Prolactin
c) Prostaglandin
d) Oxytocin

197. Hepatitis-B and HIV spreads through
a) Sharing needless
b) Transfusion of blood
c) Infected mother to child
d) All of the above

198. Match the following figures with their respective identify
I. TubectomyII. Vasectomy
III. Implants IV. Condoms
V. Copper-T



a) A-IV; B-V; C-III; D-II; E-I
b) A-IV; B-IV; C-II; D-I; E-V
c) A-I; B-II; C-III; D-IV; E-V
d) A-III; B-IV; C-V; D-I; E-II

199. Oral contraceptives are prescribed in females to check:

a) Ovulation
b) Fertilization
c) Implantation
d) Entry of sperms in vagina

1)	d	2)	c	3)	a	4)	d
5)	a	6)	a	7)	a	8)	d
9)	c	10)	c	11)	b	12)	c
13)	b	14)	c	15)	b	16)	a
17)	d	18)	c	19)	a	20)	c
21)	b	22)	b	23)	b	24)	a
25)	c	26)	b	27)	d	28)	a
29)	a	30)	b	31)	a	32)	b
33)	b	34)	b	35)	c	36)	c
37)	b	38)	d	39)	c	40)	d
41)	a	42)	c	43)	a	44)	c
45)	d	46)	b	47)	c	48)	d
49)	c	50)	c	51)	d	52)	a
53)	d	54)	b	55)	c	56)	a
57)	d	58)	b	59)	d	60)	d
61)	a	62)	c	63)	b	64)	b
65)	b	66)	b	67)	c	68)	a
69)	a	70)	d	71)	c	72)	c
73)	b	74)	b	75)	a	76)	c
77)	b	78)	b	79)	a	80)	b
81)	c	82)	d	83)	c	84)	c
85)	b	86)	a	87)	a	88)	b
89)	a	90)	a	91)	c	92)	c
93)	b	94)	d	95)	a	96)	c
97)	c	98)	a	99)	c	100)	c
101)	c	102)	a	103)	a	104)	d
105)	d	106)	a	107)	a	108)	c
109)	a	110)	b	111)	a	112)	b
113)	d	114)	c	115)	b	116)	b
117)	a	118)	b	119)	d	120)	c
121)	b	122)	b	123)	c	124)	b
125)	a	126)	d	127)	b	128)	a
129)	a	130)	b	131)	b	132)	d
133)	d	134)	a	135)	b	136)	d
137)	a	138)	a	139)	d	140)	d
141)	c	142)	d	143)	c	144)	b
145)	d	146)	b	147)	a	148)	d
149)	c	150)	b	151)	d	152)	a
153)	d	154)	a	155)	c	156)	c
157)	b	158)	b	159)	b	160)	d
161)	b	162)	c	163)	d	164)	b
165)	b	166)	d	167)	c	168)	b
169)	c	170)	c	171)	a	172)	c
173)	c	174)	d	175)	c	176)	d
177)	d	178)	a	179)	c	180)	a
181)	b	182)	b	183)	b	184)	a
185)	b	186)	a	187)	d	188)	d
189)	a	190)	c	191)	a	192)	a

193)	d	194)	b	195)	a	196)	b
197)	d	198)	a	199)	a		

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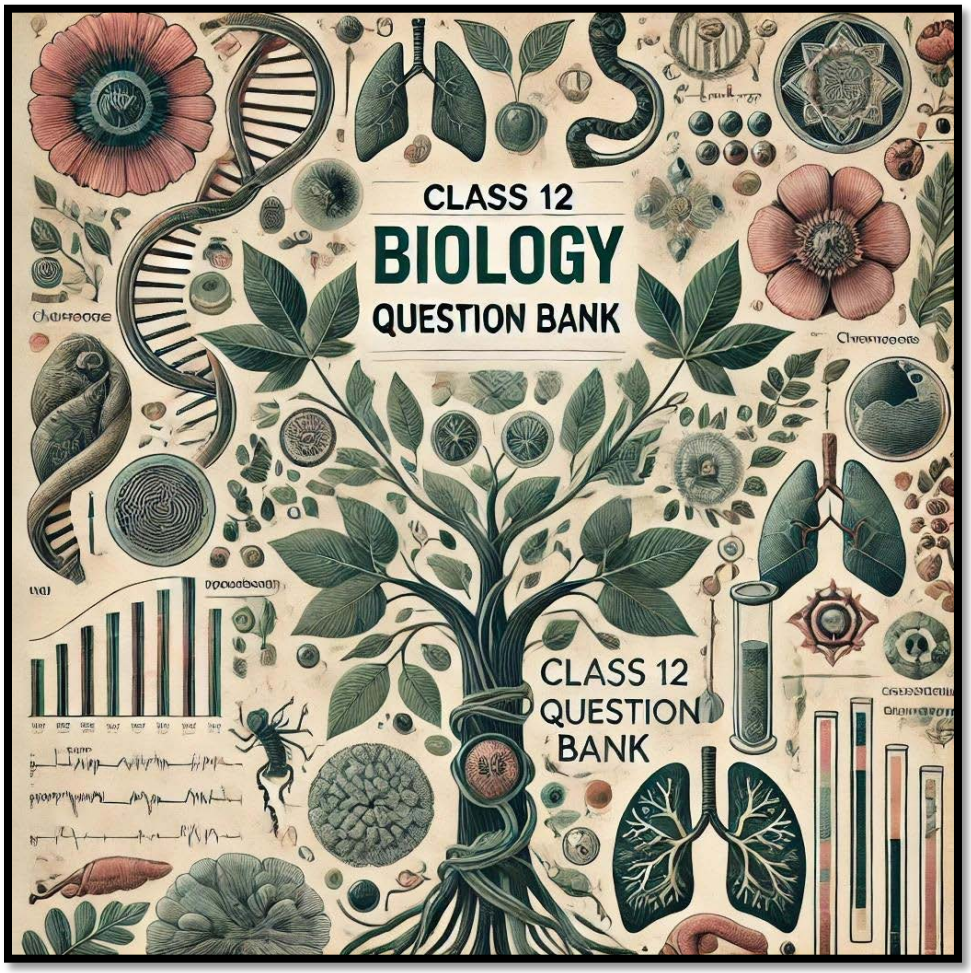

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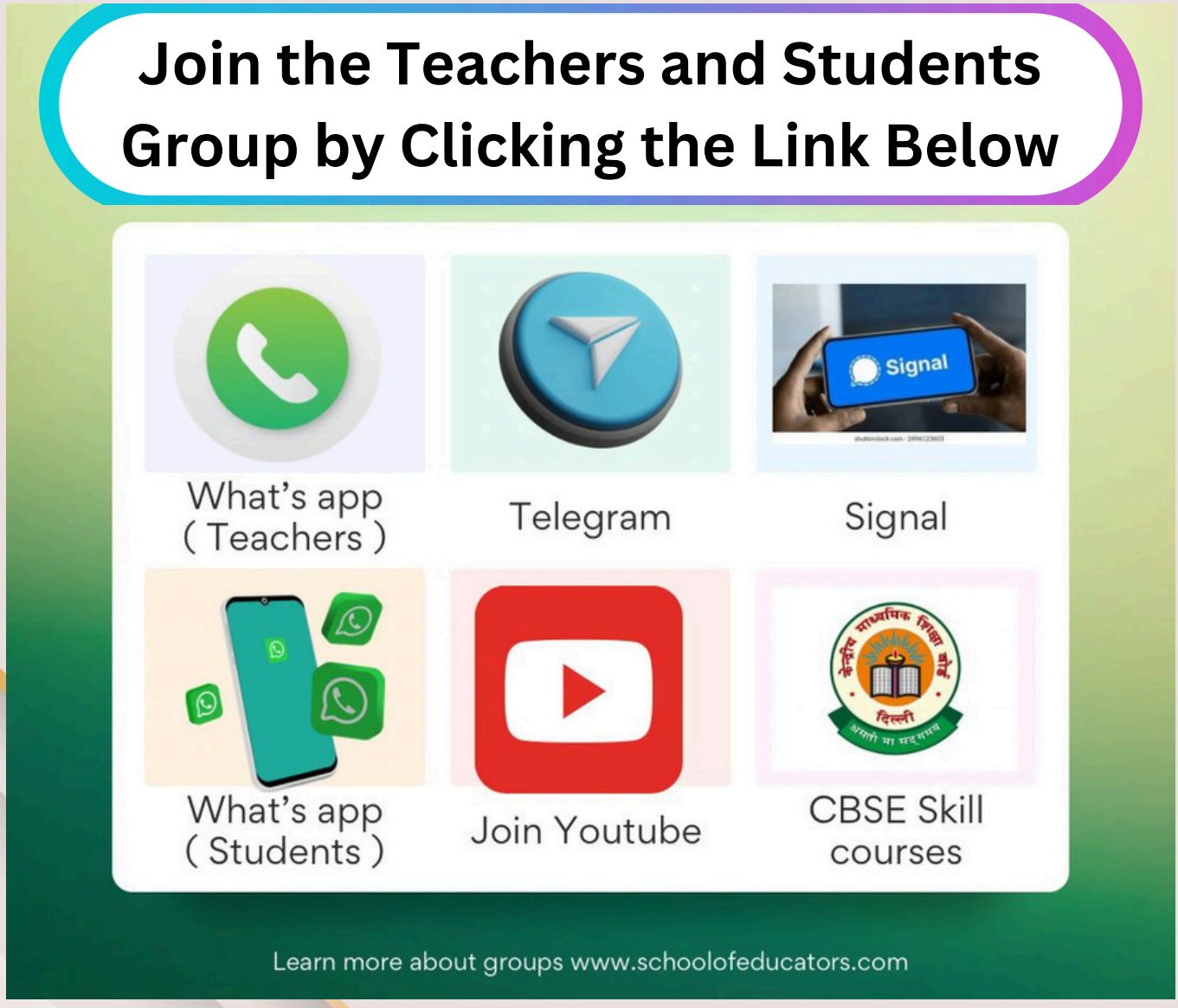
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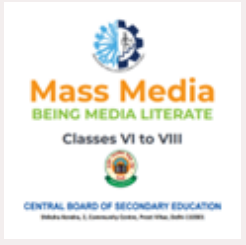
Information Technology

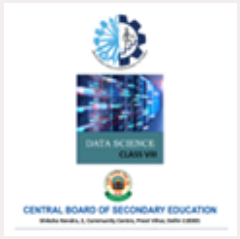
Marketing/Commercial Application



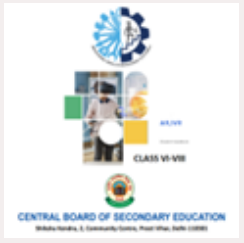
Mass Media - Being Media Literate

Travel & Tourism

Coding



Data Science (Class VIII only)

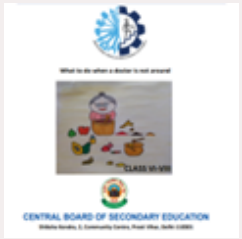


Augmented Reality / Virtual Reality

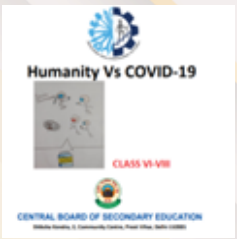
Digital Citizenship

Life Cycle of Medicine & Vaccine

Things you should know about keeping Medicines at home

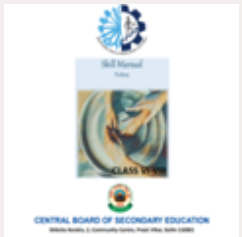


What to do when Doctor is not around



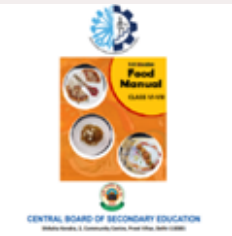
Humanity & Covid-19

Blue Pottery

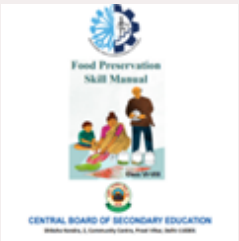


Pottery

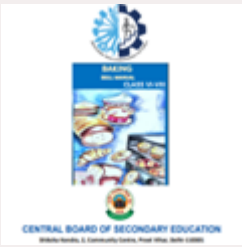
Block Printing



Food



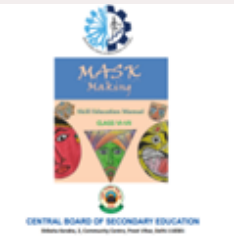
Food Preservation



Baking

Herbal Heritage

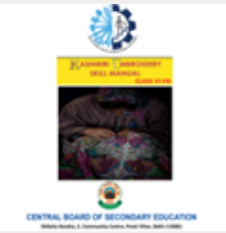
Khadi



Mask Making

Mass Media

Making of a Graphic Novel



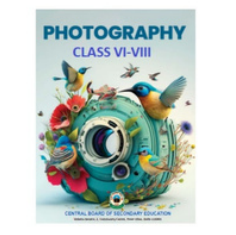
Kashmiri Embroidery

Embroidery

Rockets

Satellites

Application of Satellites

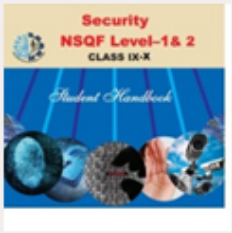


Photography

SKILL SUBJECTS AT SECONDARY LEVEL (CLASSES IX – X)

Retail

Information Technology



Security

Automotive

Introduction To Financial Markets

Introduction To Tourism

Beauty & Wellness

Agriculture

Food Production

Front Office Operations

Banking & Insurance

Marketing & Sales

Health Care

Apparel

Multi Media

Multi Skill Foundation Course

Artificial Intelligence

Physical Activity Trainer

Data Science

Electronics & Hardware (NEW)

Foundation Skills For Sciences (Pharmaceutical & Biotechnology)(NEW)

Design Thinking & Innovation (NEW)

SKILL SUBJECTS AT SR. SEC. LEVEL (CLASSES XI – XII)

Retail

InformationTechnology

Web Application

Automotive

Financial Markets Management

Tourism

Beauty & Wellness

Agriculture

Food Production

Front Office Operations

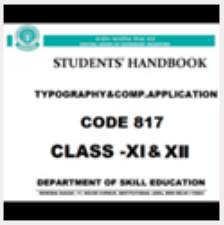
Banking

Marketing

Health Care

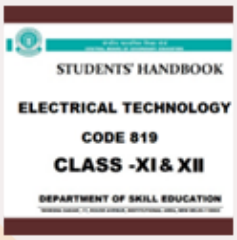
Insurance

Horticulture



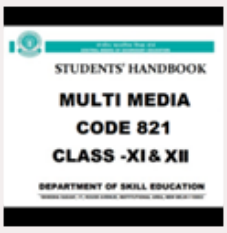
Typography & Comp. Application

Geospatial Technology



Electrical Technology

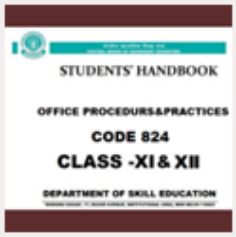
Electronic Technology



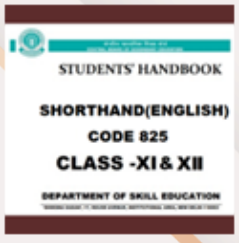
Multi-Media

Taxation

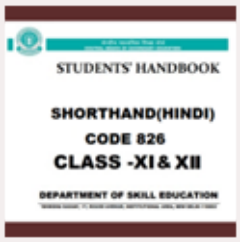
Cost Accounting



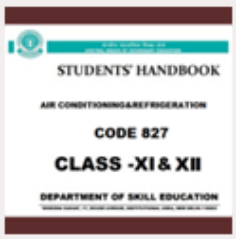
Office Procedures & Practices



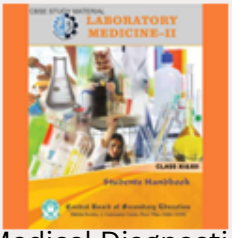
Shorthand (English)



Shorthand (Hindi)



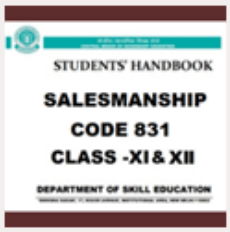
Air-Conditioning & Refrigeration



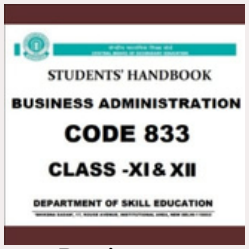
Medical Diagnostics

Textile Design

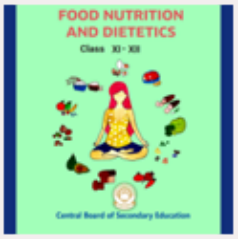
Design



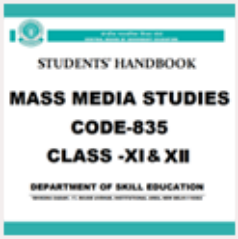
Salesmanship



Business Administration



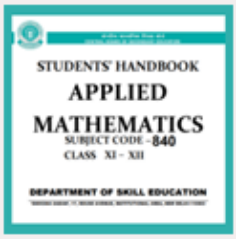
Food Nutrition & Dietetics



Mass Media Studies

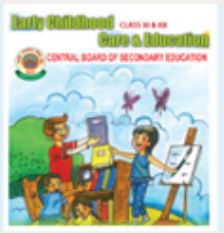
Library & Information Science

Fashion Studies



Applied Mathematics

Yoga

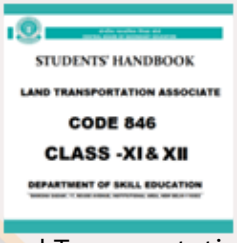


Early Childhood Care & Education

Artificial Intelligence

Data Science

Physical Activity Trainer(new)



Land Transportation Associate (NEW)

Installation Technician Computing and Peripherals
Sector: Electronics and Hardware
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Electronics & Hardware (NEW)

Design Thinking & Innovation (NEW)

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Subject Wise Secondary and Senior Secondary Groups IX & X

Secondary Groups (IX & X)

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Science

English

Hindi-A

Hindi-B

IT Code-402

IT

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Chemistry

English

Mathematics

Biology

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Class 9

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Class 10

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Class 11 (Com)

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Class 12 (Com)

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Class 12 (Hum)

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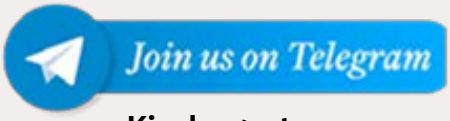
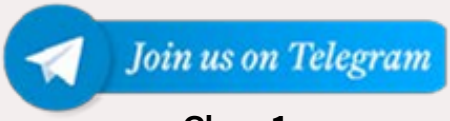
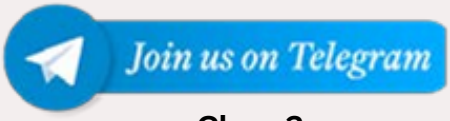


Kindergarten



Class 1



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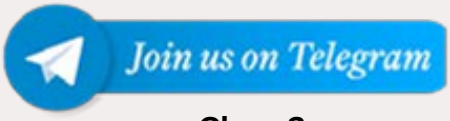

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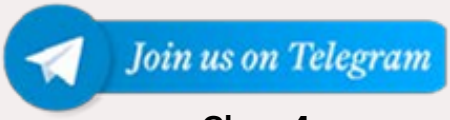
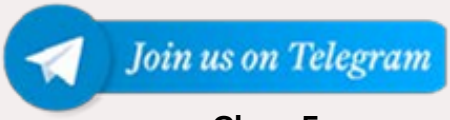
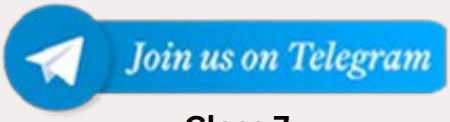


Class 4

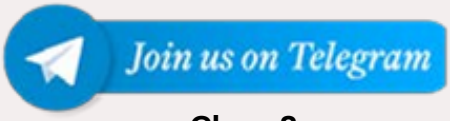


Class 5

Class 6



Class 7



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